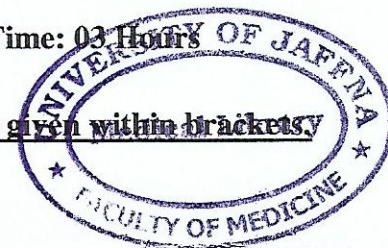


UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
THIRD YEAR SECOND SEMESTER EXAMINATION- APRIL 2020
PHAHP3236 HOSPITAL PHARMACY

Date: 23.09.2020

Time: 03 Hours



Answer All EIGHT Questions. Marks allocated to each part are given within brackets

Answer Part A, Part B, Part C in separate answer booklets.

PART A

1.
 - 1.1 List four (04) basic types of medication distribution systems for in-patient medication management. (20 marks)
 - 1.2 Explain the four (04) type of medication distribution systems mentioned in 1.1. (40 marks)
 - 1.3 Briefly explain the cost analysis methods used in hospital pharmacy setting. (40 marks)
2.
 - 2.1 List the information needed for effective stock control system. (20 marks)
 - 2.2 Define the terms:
 - 2.2.1 Re-order Level (ROL) (5 marks)
 - 2.2.2 Safety Stock Level (SSL) (10 marks)
 - 2.2.3 Maximum Stock Level (MSL) (5 marks)
 - 2.2.4 Economic Order Quantity (EOQ) (10 marks)
 - 2.3 Explain cold chain management for vaccines. (50 marks)
3.
 - 3.1 Write down the importance of aseptic dispensing. (20 marks)
 - 3.2 What are the contents of spill kit? (20 marks)
 - 3.3 Explain the practice and procedures involved in cytotoxic dispensing. (60 marks)
4.
 - 4.1 Explain the formulary management principles. (40 marks)
 - 4.2 Explain the process of selecting new medicines for the formulary. (60 marks)
5.
 - 5.1 Briefly explain the benefits of effective patient counseling. (30 marks)
 - 5.2 List down the functions of the drug information center. (20 marks)
 - 5.3 Explain the process involved in obtaining narcotics for private sector. (50 marks)



PART B

- 6.
- 6.1 Distinguish between ionizing and non-ionizing radiations with suitable examples. (20 marks)
 - 6.2 List the characteristics of ionizing radiation. (15 marks)
 - 6.3 Define "isomeric transition" and give the uses of it. (20 marks)
 - 6.4 Briefly describe the operating principle of a scintillation detector in radiation. (30 marks)
 - 6.5 Why equivalent dose is used in radiation? (15 marks)
- 7.
- 7.1 Briefly discuss the working principle and uses of a radionuclide generator. (30 marks)
 - 7.2 Give 03 reasons why artificially produced radionuclides used in nuclear medicine imaging? (15 marks)
 - 7.3 Define "tracer" in nuclear medicine with the examples. (20 marks)
 - 7.4 Give the importance of cold kits in preparation of radiopharmaceuticals. (15 marks)
 - 7.5 Briefly describe the three basic principles used in radiation safety. (20 Marks)

PART C

- 8.
- 8.1 Write in detail how to manage a drug store? (50 marks)
 - 8.2 Write briefly the duties of Institutional Drug Review Committee. (30 marks)
 - 8.3 What do you mean by test check of drugs? (20 Marks)